



PATENT
DAWSON-ELLI 6-4-15-4-2-3

Gr 3743

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Dawson-Elli et al.

Serial No: 09/830,512

Filing Date: 04/25/2001

Title: BURNER MANIFOLD
APPARATUS FOR USE IN A
CHEMICAL VAPOR
DEPOSITION PROCESS

Group Art Unit: 3743

Examiner: Carl D. Price

REPLY

RECEIVED

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TECHNOLOGY CENTER R3700

Assistant Commissioner for Patents
Washington, DC 20231

RESPONSE TO THE EXAMINER'S OFFICE ACTION

In reply to the Office Action dated October 2, 2002, designated as Paper No. 4 in the above-captioned application, please enter the following amendments and Remarks as follows:

In the Specification

Please replace the paragraph beginning at page 5, Line 19, with the following rewritten paragraph:

A¹
In this third embodiment, the burner manifold is formed by an extrusion process. The burner manifold tapers from a first end to a second end or, alternatively, has a tapered section located between the first end and the second end. This can be done, for example, by plastically transforming a preform of parallel channels (honeycomb substrate) into a funnel of funneling channels. Two suitable transforming processes are hot draw down and reduction extrusion. "Hot draw down" is a viscous forming process carried out on viscously sintered preforms and is described in commonly-owned U.S. Patent Application No. 09/299,766 entitled "Redrawn Capillary Imaging Reservoir", the specification of which is hereby incorporated herein by reference. "Reduction extrusion" is a plastic forming process carried out on unsintered particulate preforms as illustrated in Corning's U.S. Patent No. 6,299,958